



Transonic Dynamics Tunnel 50th Anniversary Celebration

1:10 – 1:15	Welcome <i>Lesa Roe</i> <i>Director, NASA Langley Research Center</i>
1:15 – 1:20	Congratulations <i>Councilman Chris Stuart</i> <i>City of Hampton</i>
1:20 – 1:35	Transonic Dynamics Tunnel Retrospective <i>Woodrow Whitlow</i> <i>Associate Administrator, NASA HQ,</i> <i>Mission Support Directorate</i>
1:35 – 1:50	Transonic Dynamics Tunnel Future <i>Damodar Ambur</i> <i>Director, Ground Facilities and Testing Directorate</i>
1:50 – 1:55	Thanks, Invitation to Tours, Continue Celebration <i>Lesa Roe</i> <i>Director, Langley Research Center</i>
1:55 - 4:00	Tours of Transonic Dynamics Tunnel leaving from and returning to Reid Conference Center

The Transonic Dynamics Tunnel (TDT) is a closed circuit, continuous flow, variable-pressure wind tunnel specializing in identifying, understanding, and solving aeroelastic issues confronting fixed-wing aircraft, helicopters and tiltrotors, and launch and re-entry vehicles. The TDT uses either air or a heavy gas, R-134a, which provides great scaling advantages for properly simulating aeroelastic behavior of flight vehicles. Rotary-wing tests at the TDT have investigated performance, loads, and stability characteristics, while fixed-wing aeroelastic interactions such as flutter, buffet, and divergence have been scrutinized as well.